

Docket No.: M4065.0166/P166-A (PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Kevin J. Torek et al.

Application No.: 09/643,946

Group Art Unit: 1765

Filed: August 23, 2000

Examiner: L. Vinh

For: ACID BLEND FOR REMOVING ETCH

RESIDUE

## **AMENDMENT**

Commissioner for Patents Washington, DC 20231

Dear Sir:

In response to the Office Action dated July 16, 2002 (Paper No. 13), please amend the application as set forth below and consider the following remarks:

## In the Claims:

Please replace the claims with the respective amended claims below.

142. (Three Times Amended) A conditioning solution for use in removing residues remaining on a semiconductor substrate after a dry etch process, said conditioning solution comprising:

a fluorine source, said fluorine source being selected from the group consisting of hydrofluoric acid, ammonium fluoride, and other fluorine donating chemicals;

PTO/SB/17 (10-02)
Approved for use through 10/31/2002. OMB 0651-0032
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| EEE TO ANOMITY AT   |              |  | Complete if Known |           |   |  |                     |                |  |
|---|--------------|--|-------------------|-----------|---|--|---------------------|----------------|--|
| FEE TRANSMITTAL   | -            | Application Number   |                   |           |   | 09/643,946   |                     |                |  |
| for FY 2003   |              | Filing Date  |                   |           |   | August 23, 2000  |                     |                |  |
| Patent fees are subject to annual revision.   |              | First Named Inventor   |                   |           | ntor  | Kevin J. Torek   |                     |                |  |
| ratent rees are subject to annual revision.   |              | Examiner Name  |                   |           |   | Not Yet Assigned   |                     |                |  |
| Applicant claims small entity status. See 37 CFR 1.:  | 27           | Group Art Unit   |                   |           |   | N/A  |                     |                |  |
| TOTAL AMOUNT OF PAYMENT (\$) 110.00   | )            | Attorney Docket No. M4065.0166/P166-A  |                   |           |   |  |                     |                |  |
| METHOD OF PAYMENT (check all that apply)  |              | FEE CALCULATION (continued)  |                   |           |   |  |                     |                |  |
| Check Credit Money Other None   |              | 3. ADDITIONAL FEES   |                   |           |   |  |                     |                |  |
| Card Order  |              |  |                   |           |   |  |                     |                |  |
|   | Larg         | e Entity   | Small             | Entity    |   |  |                     |                |  |
| Deposit<br>Account 04-1073  |              | Fee Fee Fee Fee Description  |                   |           | cription  |  |                     |                |  |
| Number  | Code         | (\$)   | Code              | (\$)      |   |  |                     | Fee Paid       |  |
| Deposit Account Dickstein Shapiro Morin &   | 1051         | 130  | 2051              | 65        | Surcharge -   | - late filing fe   | e or oath           |                |  |
| Name Oshinsky LLP The Commissioner is hereby authorized to: (check all that apply)                        | 1052         | 50   | 2052              | 25        | Surcharge - sheet.  | rcharge – late provisional filing fee or cover           |                     |                |  |
| X Charge fee(s) indicated below X Credit any overpaymen   |              | 130  | 1053              | 130       |   | if:ti-   | _                   |                |  |
| Charge any additional fac(s) during the pendency of this  |              |  |                   |           | J   | h specificatio   |                     | <b> </b>       |  |
| application   | 1812         | 2,520  | 1812              | 2,520     | -   | •  | parte reexamination | I              |  |
| Charge fee(s) indicated below, except for the filing fee  | 1804         | 920*   | 1804              | 920*      | Examiner a  | publication of<br>ction                                  |                     |                |  |
| to the above-identified deposit account.  | 1805         | 1,840*   | 1805              | 1,840*    | Requesting<br>Examiner a  | questing publication of SIR after                        |                     |                |  |
| FEE CALCULATION   | 1251         | 110  | 2251              | 55        |   | or reply within  | n first month       | 110.00         |  |
| 1. BASIC FILING FEE   | 1252         | 400  | 2252              | 200       | Extension fo  | or reply within  | n second month      |                |  |
| Large Entity Small Entity   | 1253         | 920  | 2253              | 460       | Extension fo  | or reply within  | n third month       |                |  |
| Fee Fee Fee Fee Code (\$) Code (\$) Fee Description Fee Paid  | 1254         | 1,440  | 2254              | 720       | Extension fo  | or reply within  | n fourth month      |                |  |
| 1001 740 2001 370 Utility filing fee  | 1255         | 1,960  | 2255              | 980       | Extension fo  | or reply within  | n fifth month       |                |  |
| 1002 330 2002 165 Design filing fee   | 1401         | 320  | 2401              | 160       | Notice of Ap  | ppeal  |                     |                |  |
| 1003 510 2003 255 Plant filing fee  | 1402         | 320  | 2402              | 160       | Filing a brie   | f in support o   | of an appeal        |                |  |
| 1004 740 2004 370 Reissue filing fee  | 1403         | 280  | 2403              | 140       |   | oral hearing   |                     |                |  |
| 1005 160 2005 80 Provisional filing fee   | 1451         | 1,510  | 1451              | 1,510     |   | ·  | olic use probeeding | <u> </u>       |  |
| SUBTOTAL (1) (\$) 0.00  | 1452<br>1453 | 110<br>1,280   | 2452<br>2453      | 55<br>640 |   | evive – unav   |                     | 3              |  |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSU  |              | 1,280  | 2501              | 640       |   | tion to revive - unintentional ty issue fee (or reissue) |                     |                |  |
| Extra Fee from  | _   4500     | 460  | 2502              | 230       | Design issue  | ·  | ue)                 |                |  |
| Total Claims = x = x  | 1503         | 620  | 2503              | 310       | Plant issue   |  | 李                   |                |  |
| Independent = x   | 1460         | 130  | 1460              | 130       |   | the Commiss  | sioner              |                |  |
| Claims  | 1807         | 50   | 1807              | 50        |   |  |                     | <del>-</del> - |  |
| Multiple Dependent =  | 1806         | 180  |                   |           | _   |  | CFR 1.17(q)         |                |  |
| Large Entity Small Entity  Fee Fee Fee Fee Fee Fee Fee Fee Fee Fe   |              |  | 1806              | 180       |   |  | on Disclosure Stmt  |                |  |
| Code (\$) Code (\$)   | 8021         | 40   | 8021              | 40        | property (tin   | nes number o   | of properties)      |                |  |
| 1202 18 2202 9 Claims in excess of 20   | 1809         | 740  | 2809              | 370       | (37 CFR 1.1   |  | final rejection     |                |  |
| 1201 84 2201 42 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claim, if not paid | 1810         | 740  | 2810              | 370       | For each ad   | ditional inver   |                     |                |  |
| 1204 84 2204 42 ** Reissue independent claims   | 1801         | 740  | 2801              |           | examined (37CFR 1.129(b)) Request for Continued Examination (RCE) |  |                     |                |  |
| over original patent  | 1802         | 900  | 1802              | 900       | Request for   | expedited ex   |                     |                |  |
| 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent                                 |              | of a design application  |                   |           |   |  |                     | <u> </u>       |  |
| SUBTOTAL (2) (\$) 0.00  | - I          | Other fee (specify)  *Reduced by Basic Filing Fee Paid  SUBTOTAL (3) (\$) 110.00 |                   |           |   |  |                     |                |  |
| **or number previously paid, if greater; For Reissues, see above  |              |  |                   |           |   |  |                     | 110.00         |  |
| SUBMITTED BY Complete (if applicable)   |              |  |                   |           |   |  |                     |                |  |
| Name (Print/Type) Thomas J. D'Aprico  |              | ration No  | 28                | 371       |   |  | (202) 828-2232      |                |  |
| (Automoyingen)  |              |  |                   |           |   |  |                     |                |  |
| Signature   |              |  |                   |           |   | Date   | November 18, 2      | 2002           |  |